

Message Text

UNCLASSIFIED

PAGE 01 IAEA V 03057 181623Z
ACTION OES-06

INFO OCT-01 IO-13 ISO-00 NRC-07 /027 W
-----181630Z 124463 /50

P 181452Z APR 77
FM USMISSION IAEA VIENNA
TO SECSTATE WASHDC PRIORITY 8956
INFO USERDA HQ WASHDC PRIORITY
USERDA HQ GERMANTOWN PRIORITY

UNCLAS IAEA VIENNA 3057

DEPT PASS IO/SCT

E.O. 11652: N/A
TAGS: IAEA, PARM, TECH
SUBJECT: DATA ON "SIGNIFICANT QUANTITIES" OF NUCLEAR MATERIAL

1. THOMAS SHEA (FORMERLY OF US NRC), OF SECTION FOR SYSTEM STUDIES IN IAEA DEPARTMENT OF SAFEGUARDS, IS SEEKING UNCLASSIFIED DATA ON "SIGNIFICANT QUANTITIES" OF NUCLEAR MATERIAL FOR USE AS INPUT TO MAY MEETING OF STANDING ADVISORY GROUP ON SAFEGUARDS IMPLEMENTATION. DURING LAST SAGSI MEETING, IT WAS DECIDED THAT FURTHER STUDY WAS NEEDED OF "SIGNIFICANT QUANTITIES."

2. INFO WHICH SHEA HAS REQUESTED IS AS FOLLOWS: QTE.
CURRENT CRITICAL MASS QUANTITIES FOR PURE URANIUM METAL SPHERES AS A FUNCTION OF U-235 ENRICHMENT, RANGING FROM FULLY ENRICHED TO THE MINIMUM ENRICHMENT FAST CRITICAL MASS. PLEASE INCLUDE DATA FOR BARE SPHERES AND FOR SPHERES REFLECTED WITH NATURAL URANIUM AND BERYLLIUM. INCLUDE REFERENCES. UNQTE.

3. SHEA IS AWARE OF MATERIAL IN CHAPTER 5 OF PART A OF IAEA SAFEGUARDS TECHNICAL MANUAL, AND OF LASL REPORT LA-4208 BY HANSEN AND PAXTON. INFO SHEA IS REQUESTING UNCLASSIFIED

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IS NOT CONTAINED THESE DOCUMENTS.

4. INFO NEEDED BY APRIL 22, 1977. PLEASE ADVISE. STONE

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NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01-Jan-1994 12:00:00 am
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: DATA, STUDIES, STOCKPILES, FISSIONABLE MATERIALS, NUCLEAR SAFEGUARDS
Control Number: n/a
Copy: SINGLE
Sent Date: 18-Apr-1977 12:00:00 am
Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01-Jan-1960 12:00:00 am
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1977IAEAV03057
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D770134-0233
Format: TEL
From: IAEA VIENNA
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1977/newtext/t19770448/aaaabpbw.tel
Line Count: 58
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: b9793aa3-c288-dd11-92da-001cc4696bcc
Office: ACTION OES
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 2
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 24-Jan-2005 12:00:00 am
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 2778202
Secure: OPEN
Status: NATIVE
Subject: DATA ON "SIGNIFICANT QUANTITIES" OF NUCLEAR MATERIAL
TAGS: PARM, TECH, IAEA
To: STATE
Type: TE
vdkgvwkey: odbc://SAS/SAS.dbo.SAS_Docs/b9793aa3-c288-dd11-92da-001cc4696bcc
Review Markings:
Margaret P. Grafeld
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